

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Shkolnik, et al.

Application No.: 10/585,704

Group No.: 3748

Filed: July 11, 2006

Examiner: Tricu, Thai Ba

For: Hybrid Cycle Combustion Engine and Methods

## Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF EITHER A FINAL ACTION  
OR NOTICE OF ALLOWANCE (37 C.F.R. § 1.97(c))TIME OF TRANSMITTAL OF ACCOMPANYING  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

1. The information disclosure statement transmitted herewith is being filed *after* three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but *before* the mailing date of either

- (1) a final action under § 1.113 or
- (2) a notice of allowance under § 1.311

whichever occurs first.

## FEE

2. Accompanying this transmittal is the fee for submission of an information disclosure statement under section 1.97(c). (\$180.00)

## FEE PAYMENT

3. Applicant elects the option to pay the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under § 1.97(c) (\$180.00).

Fee due \$180.00

## METHOD OF PAYMENT OF FEE

4. Authorization is hereby made to charge the amount of \$180.00 to Deposit Account No. 19-4972.  
Charge any additional fees required by this paper or credit any overpayment to Deposit Account No. 19-4972.
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DATE: December 23, 2011

/Thomas J. Tuytschaevers, #42,190/

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02972/00103 1568336.1

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**Mail Stop Amendment****Commissioner for Patents****P.O. Box 1450****Alexandria, VA 22313-1450****SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT****List of Sections Forming Part of This Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements
2. ☒ Forms PTO/SB/08A and 08B (substitute for Form PTO-1449)
3. ☒ Statement as to Information Not Found in Patents or Publications
4. ☐ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
5. ☐ Cumulative Patents or Publications
6. ☒ Copies of Listed Information Items Accompanying This Statement
7. ☐ Concise Explanation of Non-English Language Listed Information Items
  - 7A. ☐ EPO Search Report
  - 7B. ☐ English Language Version of EPO Search Report
8. ☐ Translation(s) of Non-English Language Documents
9. ☐ Concise Explanation of English Language Listed Information Items (Optional)
10. ☒ Identification of Person(s) Making This Information Disclosure Statement

## **Section 1. Preliminary statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Section 2. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Shkolnik, et al. Attorney Docket: 2972/103  
Serial No: 10/585,704 Art Group Unit: 3748  
Date Filed: July 11, 2006 Examiner Name: Trieu, Thai Ba  
Invention: Hybrid Cycle Combustion Engine and Methods

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
	AK	US 5,647,308	07/15/1997	Biagini	124/56.2

U.S. PATENT PUBLICATION DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Publication Date	Inventor	Class/Subclass
	AL	US 2002/0007813 A1	01/24/2002	Shigemori	123/197.1

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee or Applicant	Class/Subclass
	AM	JP	59-079002	08/05/1984	Suzuki Akira	F01C 9/00
	AN	JP	59-079002 (English Abstract of Ref. AM)	08/05/1984	Suzuki Akira	F01C 9/00
	AO	JP	2000-130101	05/09/2000	Nikko KK	F01B 9/02
	AP	JP	2000-130101 (English Abstract of Ref AO)	05/09/2000	Nikko KK	F01B 9/02
	AQ	JP	06-001741	6/14/1994	Unavailable	F02B 75/32
	AR	JP	06-001741 (Machine Translation of Ref AQ)	6/14/1994	Unavailable	F02B 75/32

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<b>Examiner Initials</b>	<b>Reference Number</b>	<b>Country Code</b>	<b>Document Number</b>	<b>Publication Date</b>	<b>Patentee or Applicant</b>	<b>Class/Subclass</b>
	<b>AS</b>	<b>JP</b>	2001-521094	<b>11/06/2001</b>	Guy Negre	<b>F02B 75/32</b>
	<b>AT</b>	<b>JP</b>	06-323159	<b>11/22/1994</b>	Yonekawa Yoshiaki	<b>F02B 75/22</b>
	<b>AU</b>	<b>JP</b>	06-323159 (English Abstract of Ref AT)	<b>11/22/1994</b>	Yonekawa Yoshiaki	<b>F02B 75/22</b>
	<b>AV</b>	<b>JP</b>	06-323159 (Machine Translation of Ref AT)	<b>11/22/1994</b>	Yonekawa Yoshiaki	<b>F02B 75/22</b>
	<b>AW</b>	<b>JP</b>	8-100668	<b>04/16/1996</b>	Pomezia SRL	<b>F02B 75/32</b>
	<b>AX</b>	<b>JP</b>	8-100668 (English Abstract of Ref AW)	<b>04/16/1996</b>	Pomezia SRL	<b>F02B 75/32</b>
	<b>AY</b>	<b>JP</b>	9-502780	<b>03/18/1997</b>	Pivotal Engineering Limited	<b>F03B 53/00</b>
	<b>AZ</b>	<b>WO</b>	95/08055	<b>03/23/1995</b>	Pivotal Engineering Limited	<b>F02B 53/00</b>
	<b>BA</b>	<b>AU</b>	199897511 B2	<b>05/10/1999</b>	Guy Negre	<b>F02B 075/32</b>

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Serial No: 10/585,704 Art Group Unit: 3748  
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Invention: Hybrid Cycle Combustion Engine and Methods

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

<b>OTHER DOCUMENTS</b>			
<b>Examiner Initials</b>	<b>Reference Number</b>	<b>Author</b>	<b>Title of Article, Title of Journal, Volume Number, Page Numbers, Date</b>
	<b>BB</b>	Gill Jennings & Every LLP	Response as filed; European Patent Application No. 05711371.4; December 10, 2009, 14 pages [2972/103EP]
	<b>BC</b>	European Patent Office	Communication Pursuant to Article 94(3) EPC, Application No. 05 711 371.4 – 1263, June 5, 2009, 3 pages [2972/103EP]
	<b>BD</b>	Japanese Patent Office	Notice of Final Rejection; Patent Application No. 2006-549556, September 6, 2011, 7 pages [2972/103JP]

Examiner Signature: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.

**Section 3. Statement as to Information Not Found in Patents or Publications (Information Not Listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449))**

US 5,647,308 appears to be an English language counterpart of JP 8-100668

WO 95/08055 appears to be an English language counterpart of JP 9-502780

US 2002/0007813 appears to be an English language counterpart of JP 2000-130101

AU 199897511 B2 appears to be an English language counterpart of JP 2001-521094

Applicants are unaware of the name of the inventor or application for Japanese document 06-001741



**Section 6. Copies of Listed Information Items Accompanying This Statement**

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.

☒ Exception(s) to above:

**U.S. patent citations are not included pursuant to the United States Patent and Trademark Office's September 21, 2004 waiver of the copy requirement in 37 CFR 1.98 for cited pending U.S. patent citations when the patent citations are available in the USPTO's IFW system.**

☐ Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.

☐ Cumulative patents or publications identified in Section 5.

## **Section 8. Translation(s) of Non-English Language Documents**

Submitted herewith is an English translation of the following foreign language patents, publications or information or of those portions of those patents, publications or information considered to be material:

Reference AN is the English Abstract of Reference AM  
Reference AP is the English Abstract of Reference AO  
Reference AR is the Machine Translation of Reference AQ  
Reference AU is the English Abstract of Reference AT  
Reference AV is the Machine Translation of Reference AT  
Reference AX is the English Abstract of Reference AW

**Section 10. Identification of Person Making This Information Disclosure Statement**

The person making this certification is the practitioner of record.

Reg. No.: 42,190

Tel. No.: (617) 443-9292

Customer No.: 02101

/Thomas J. Tuytschaevers # 42,190/

**SIGNATURE OF PRACTITIONER**

Thomas J. Tuytschaevers

*(type or print name of practitioner)*

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